FIG. IA

PRIOR ART

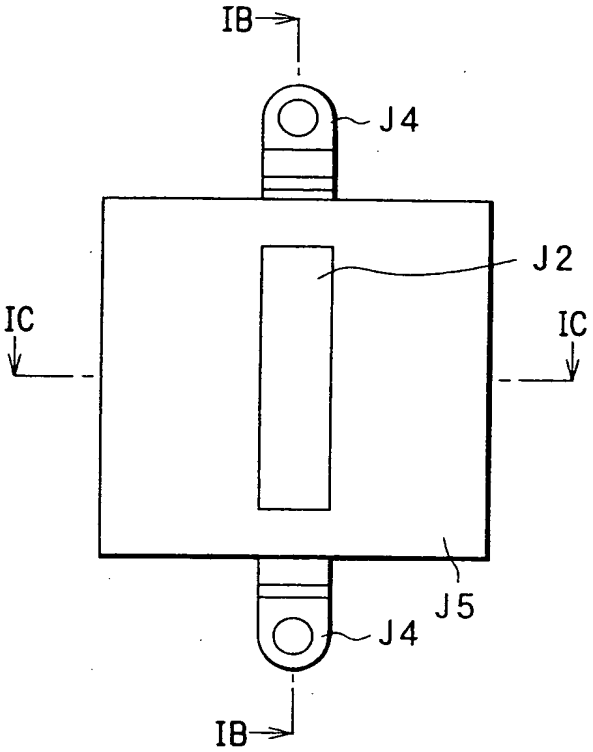

FIG. IB

PRIOR ART

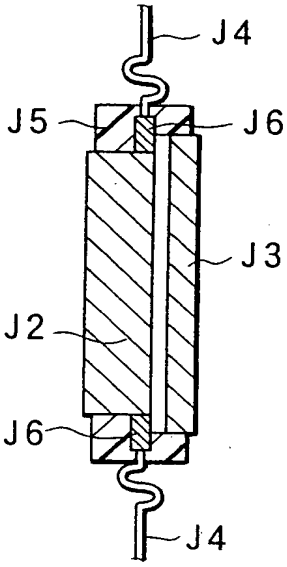

FIG. IC

PRIOR ART

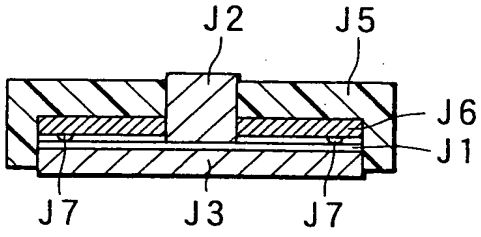

FIG. 2A

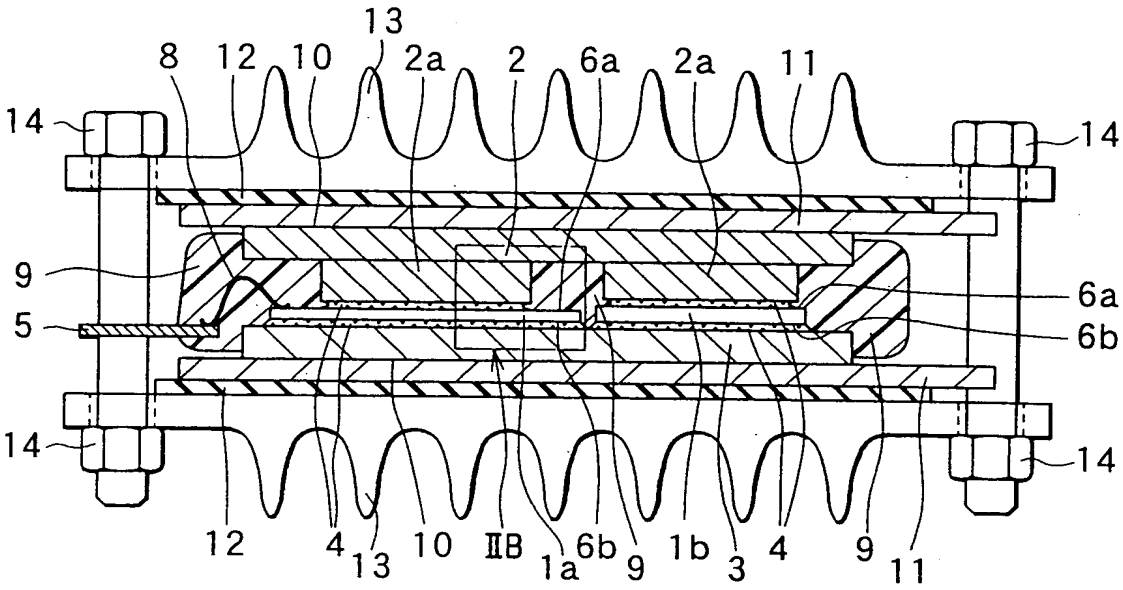
13
8
12
10
2a
2
6a
2a
11
14
14
9
6a
5
6b
14
14
12
4
13
10
IIB
1a
6b
9
1b
3
4
9
11

FIG. 2B

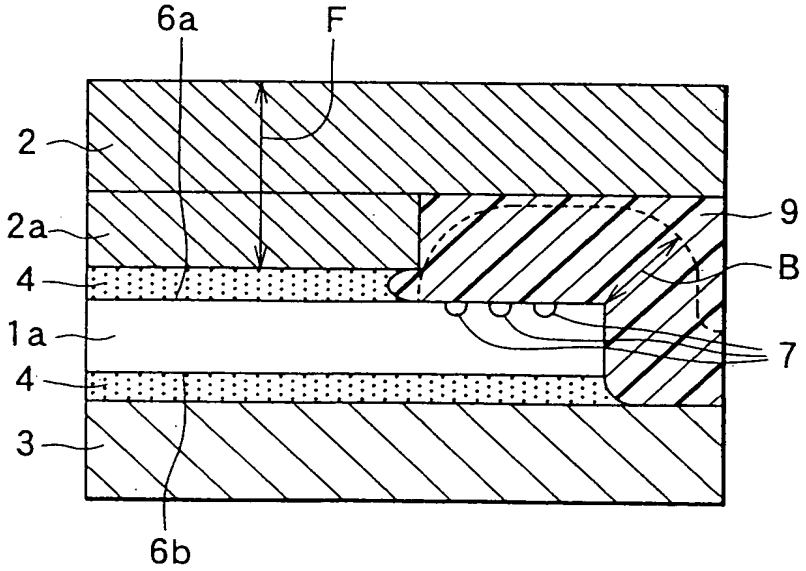
6a
F
2
2a
9
4
B
1a
7
4
3
6b

FIG. 3

NAME OF METAL	CHEMICAL COMPOSITION (%)													
	Fe	Zn	P	Ni	Si	Sn	NiB	Mn	Mg	Cr	Ti	B	Cu	Al
METAL a	2.3	0.1	0.03										REMAIN.	
METAL b	2.4	0.12	0.03										REMAIN.	
METAL c				3.0	0.7								REMAIN.	
METAL d	1.5	0.5				0.5							REMAIN.	
METAL e	1.0	0.05	0.1			1.0							REMAIN.	
METAL f	0.75		0.03			1.25							REMAIN.	
METAL g	0.05 ~ 0.15		0.025 ~ 0.040										REMAIN.	
METAL h	0.05 ~ 0.4		0.05 ~ 0.1			0.05 ~ 0.2	0.05 ~ 0.45						REMAIN.	
METAL i			0.15 OR LOWER	0.1 ~ 0.4		1.7 ~ 2.3							REMAIN.	
METAL j		0.2 ~ 0.35		3.0 ~ 3.4	0.6 ~ 0.75	1.0 ~ 1.5							REMAIN.	
METAL k	0.12 ~ 1.0	0.03 ~ 0.1			0.1 ~ 1.0			0.02 ~ 0.05	0.02 ~ 0.05		0.02 ~ 0.05		0.03 ~ 0.2	REMAIN.
METAL l	0.5	0.1			0.3 ~ 0.7			0.05	0.35 ~ 0.5	0.03		0.06	0.1	REMAIN.

FIG. 4A

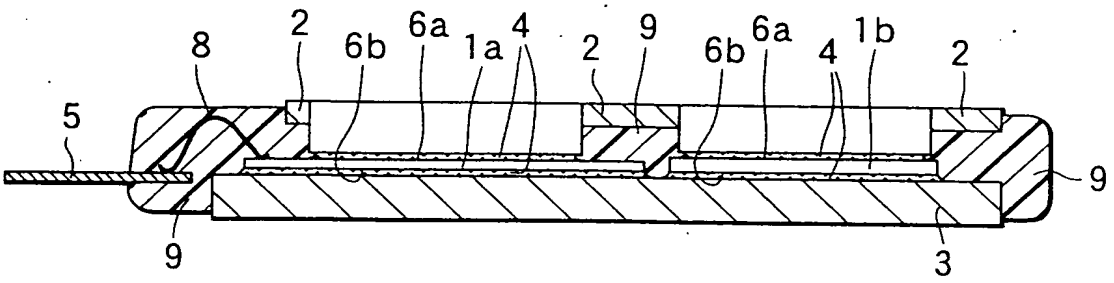

FIG. 4B

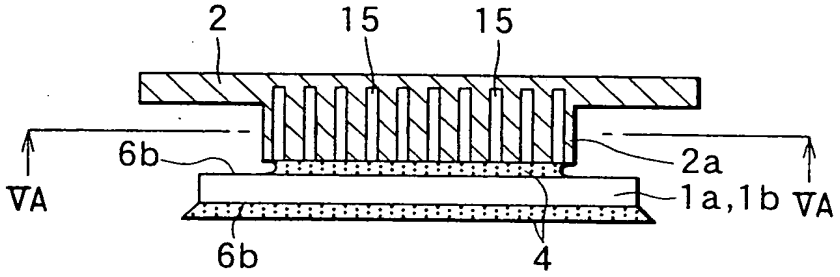

FIG. 4C

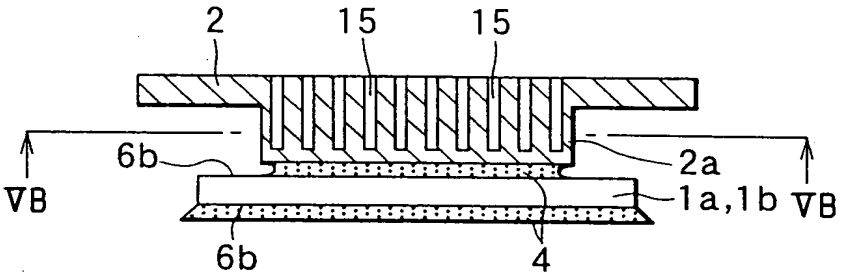

FIG. 4D

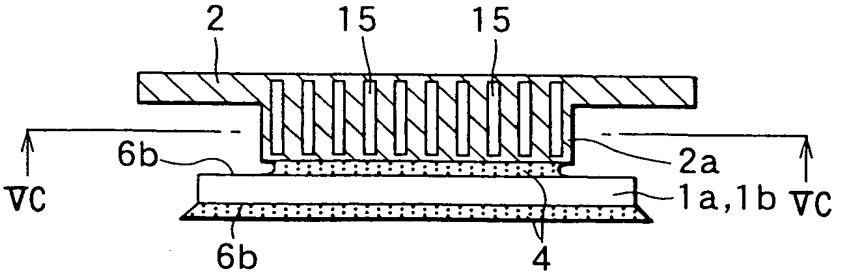

FIG. 5A

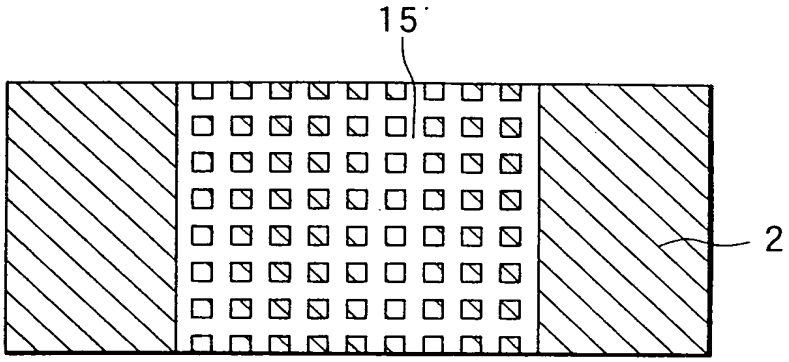

FIG. 5B

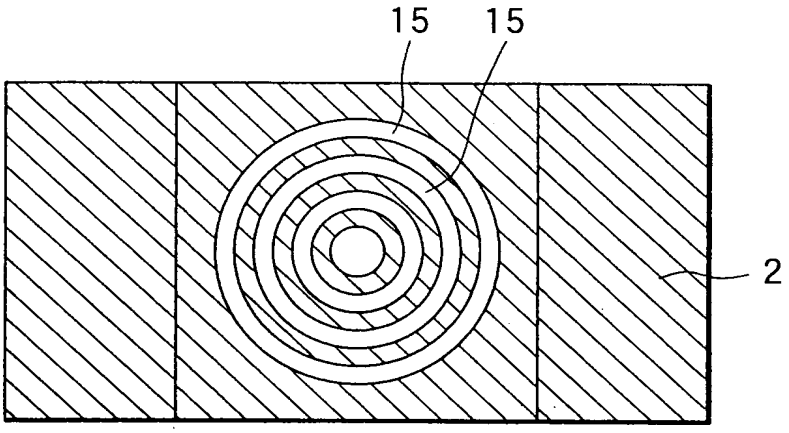

FIG. 5C

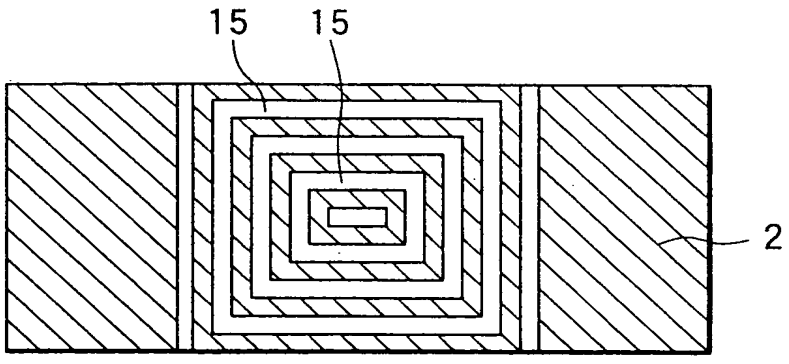

FIG. 6

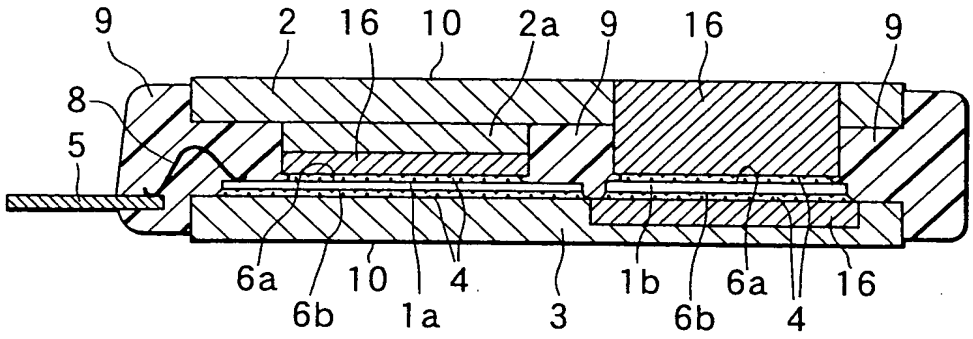
9
2
16
10
2a
9
16
9
8
5
6a
6b
10
1a
4
3
1b
6b
6a
4
16

FIG. 7

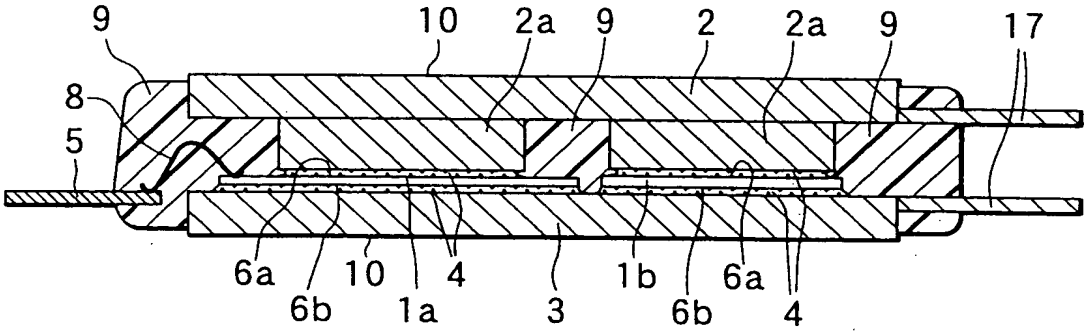
9
10
2a
9
2
2a
9
17
8
5
6a
6b
10
1a
4
3
1b
6b
6a
4

FIG. 8A

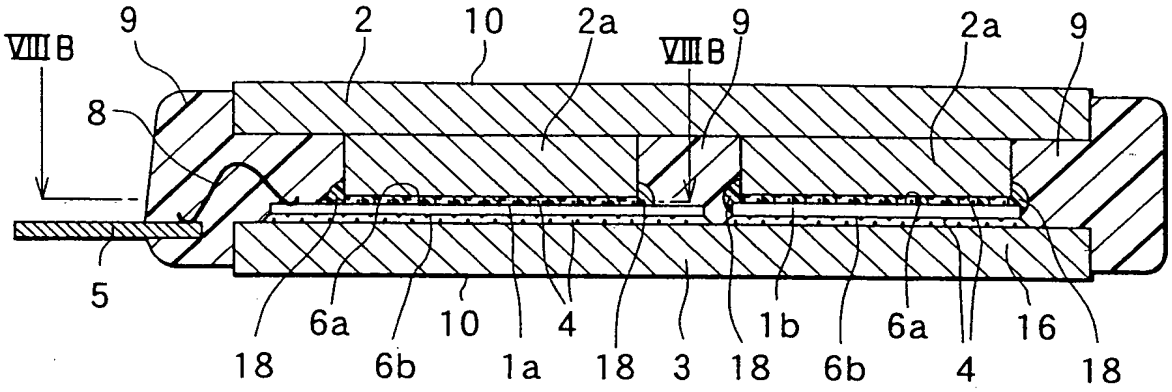
VIII B
9
2
10
2a
VIII B
9
2a
9
8
5
18
6a
6b
10
1a
4
18
3
18
1b
6b
6a
4
16
18

FIG. 8B

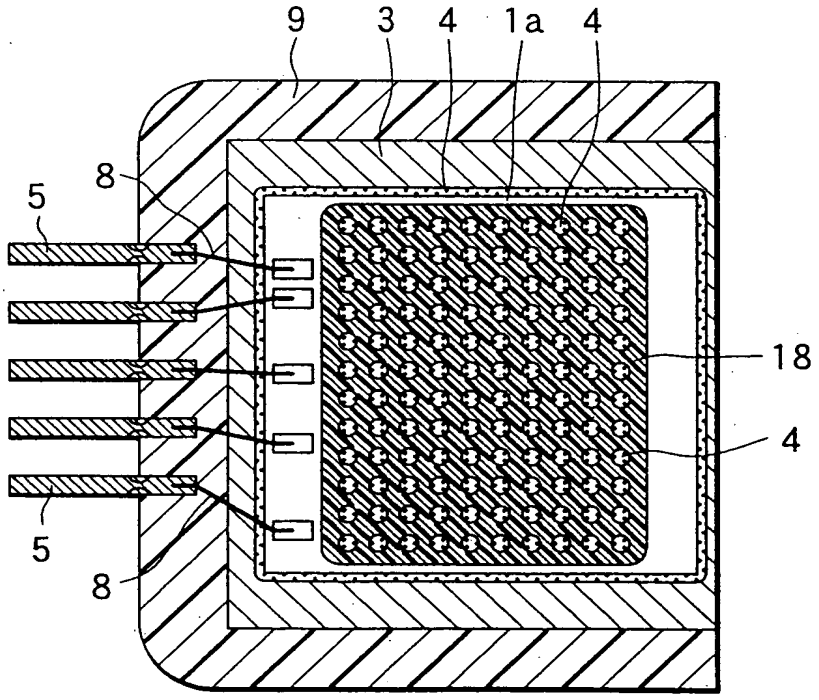
9
3
4
1a
4
8
5
18
4
5
8

FIG. 9A

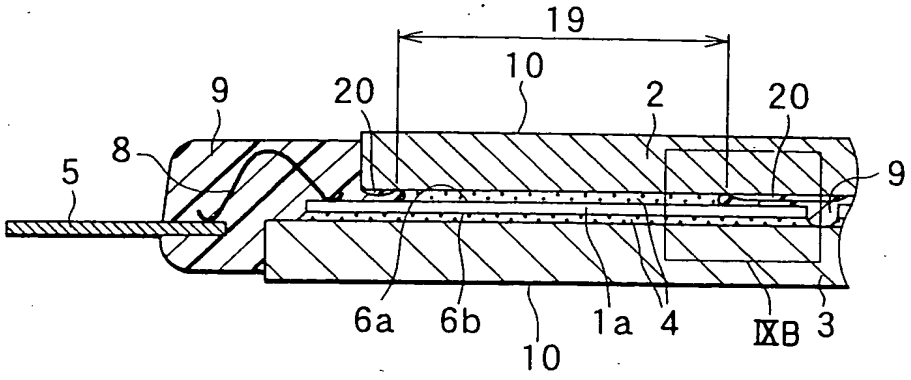

FIG. 9B

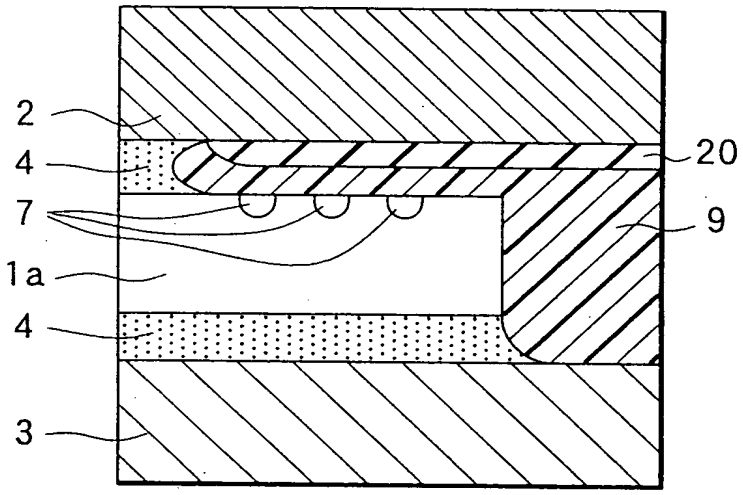

FIG. 9C

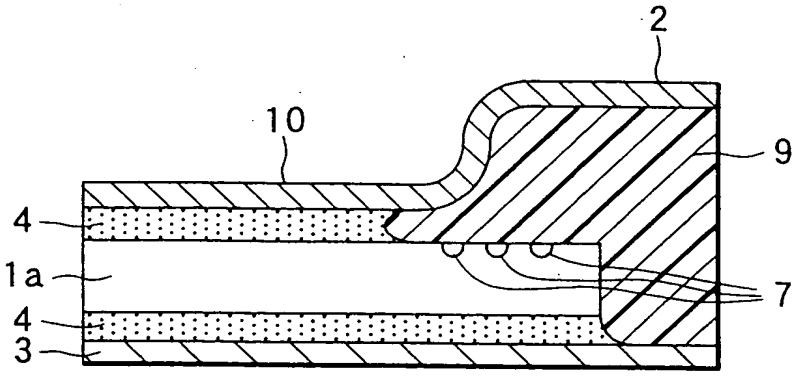

FIG. 10

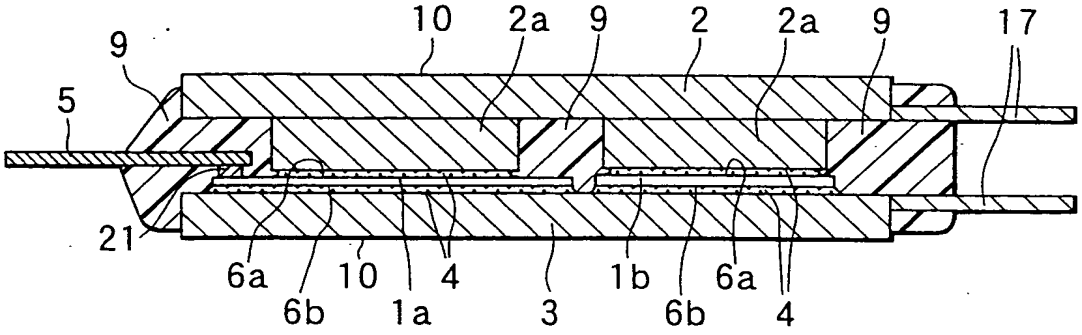
10
2a
9
2
2a
9
17
9
5
21
6a
6b
10
1a
4
3
1b
6b
6a
4

FIG. 11

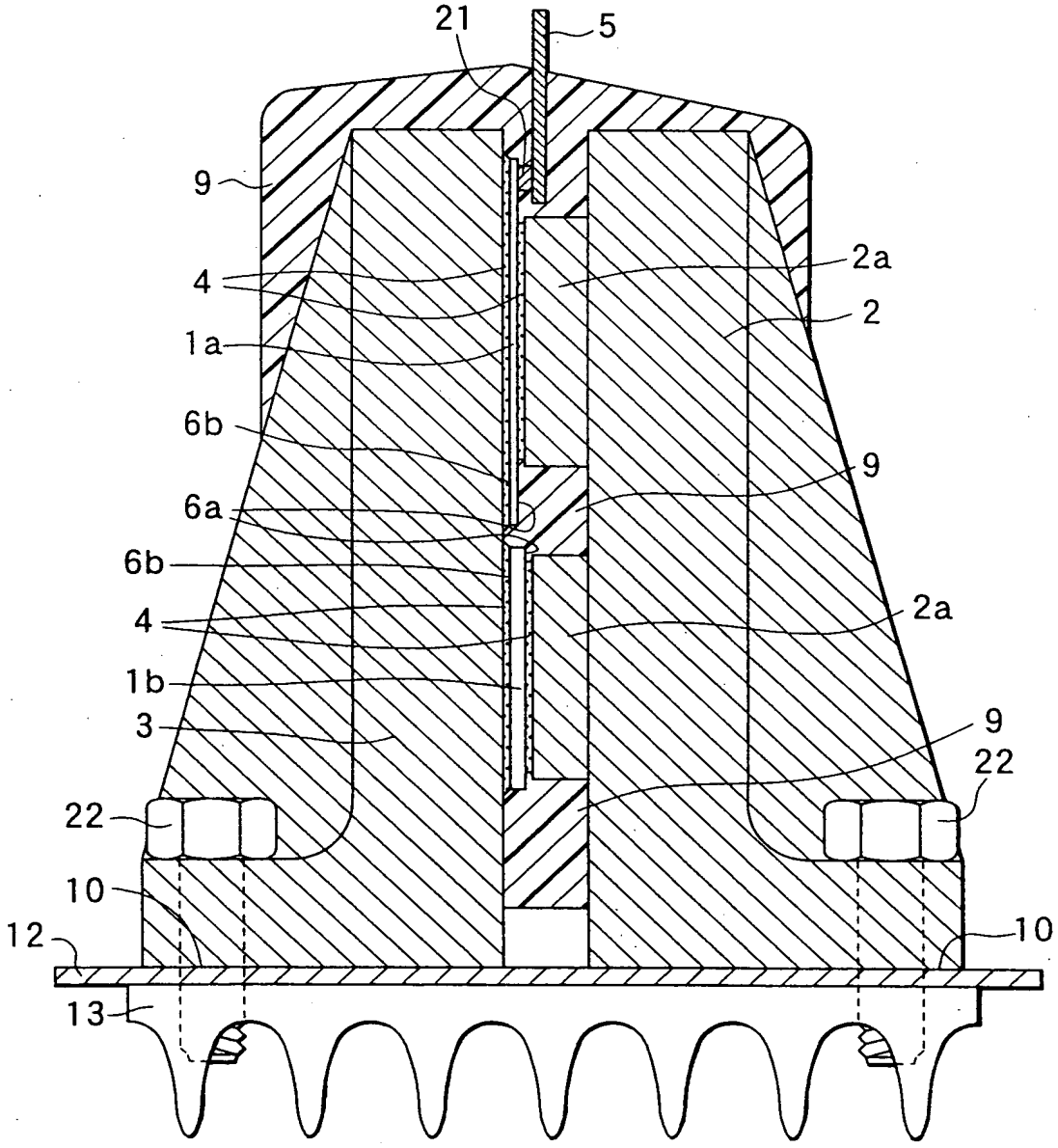
21
5
9
4
1a
6b
6a
6b
4
1b
3
22
10
12
13
2a
2
9
2a
9
22
10

FIG. 12

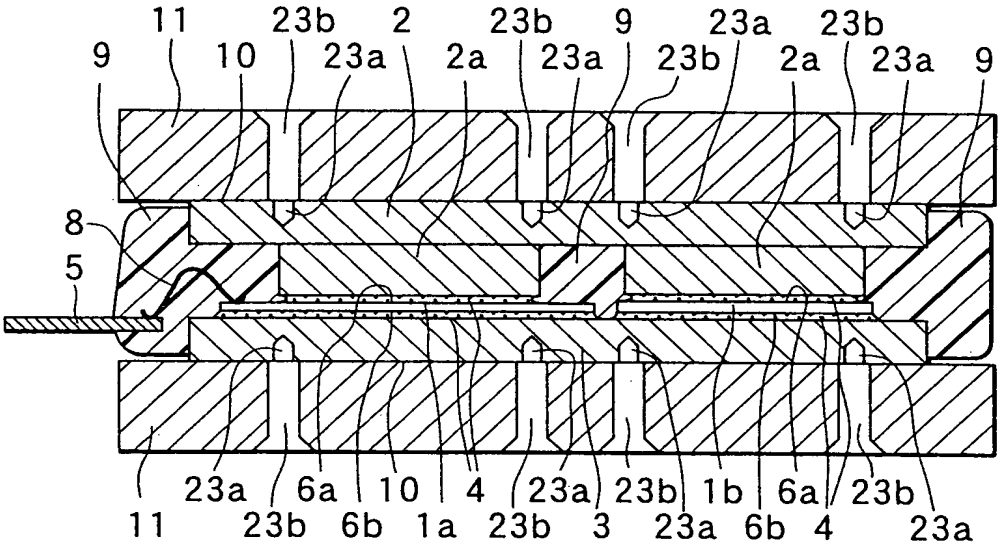
11
23b
2
23b
9
23a
23b
9
10
23a
2a
23a
23b
2a
23a
9
8
5
23a
6a
10
4
23a
23b
1b
6a
23b
11
23b
6b
1a
23b
3
23a
6b
4
23a

FIG. 13

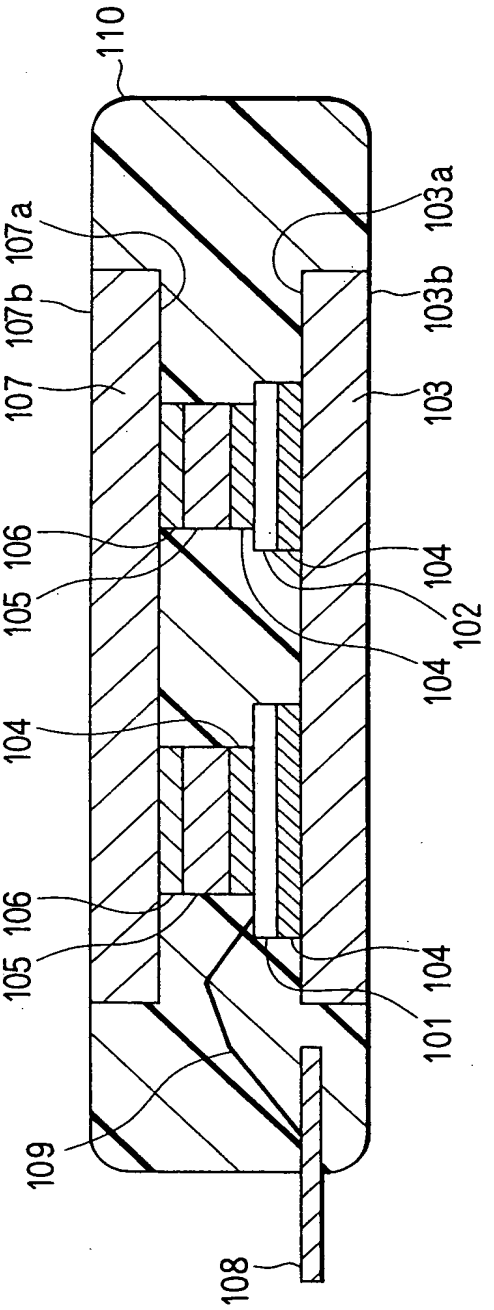
110
107a
103a
107b
103b
107
103
106
104
105
102
104
104
106
105
104
101
109
108

FIG. 14A

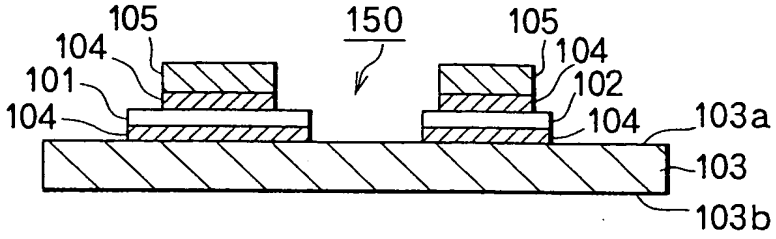

FIG. 14B

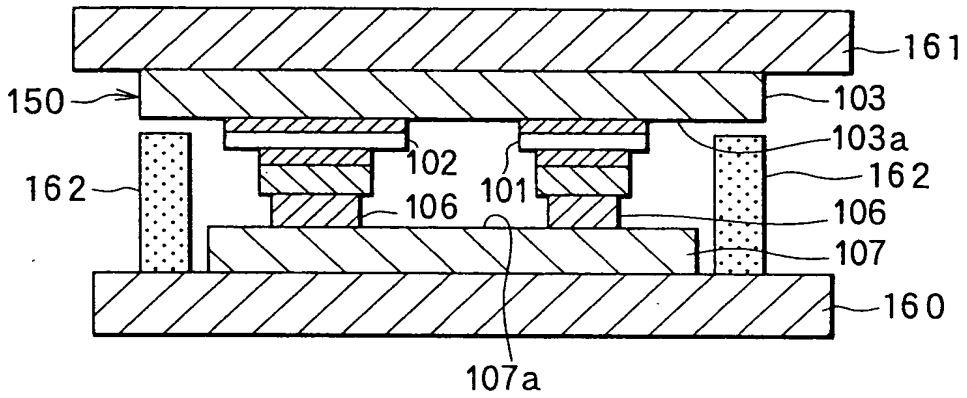

FIG. 14C

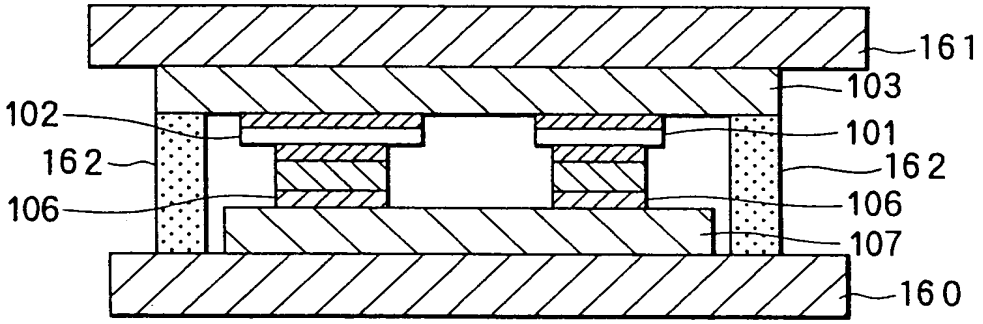

FIG. 15

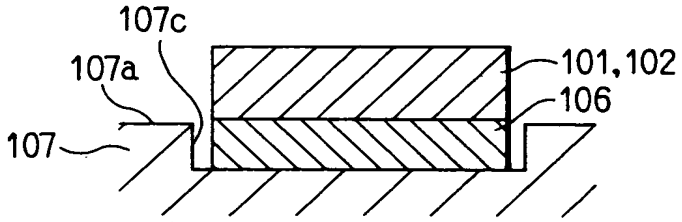

FIG. 16

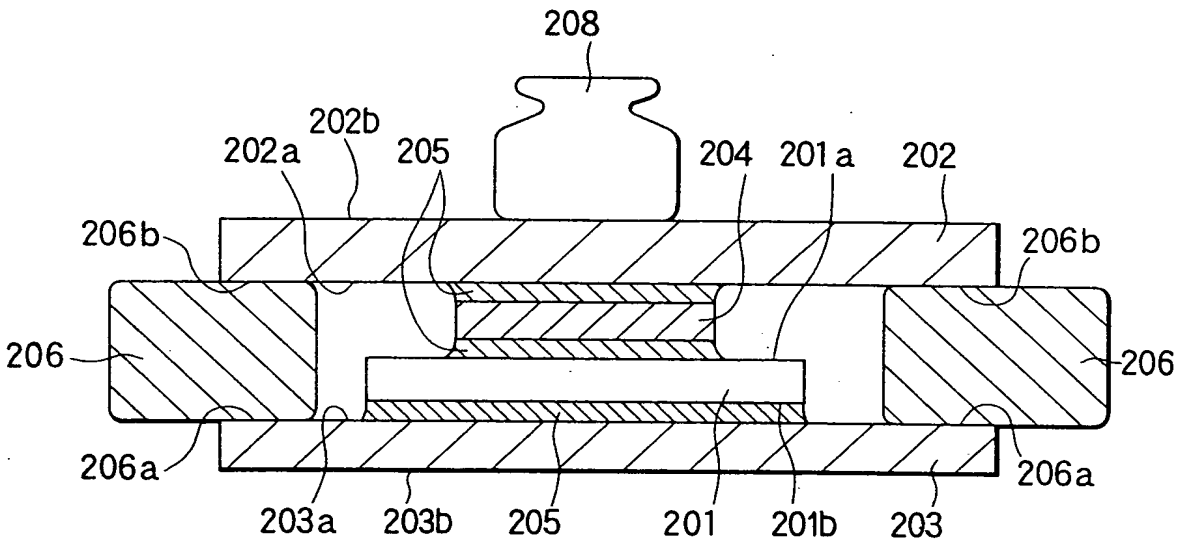
208
202b
202a
205
204
201a
202
206b
206b
206
206
206a
206a
203a
203b
205
201
201b
203

FIG. 17

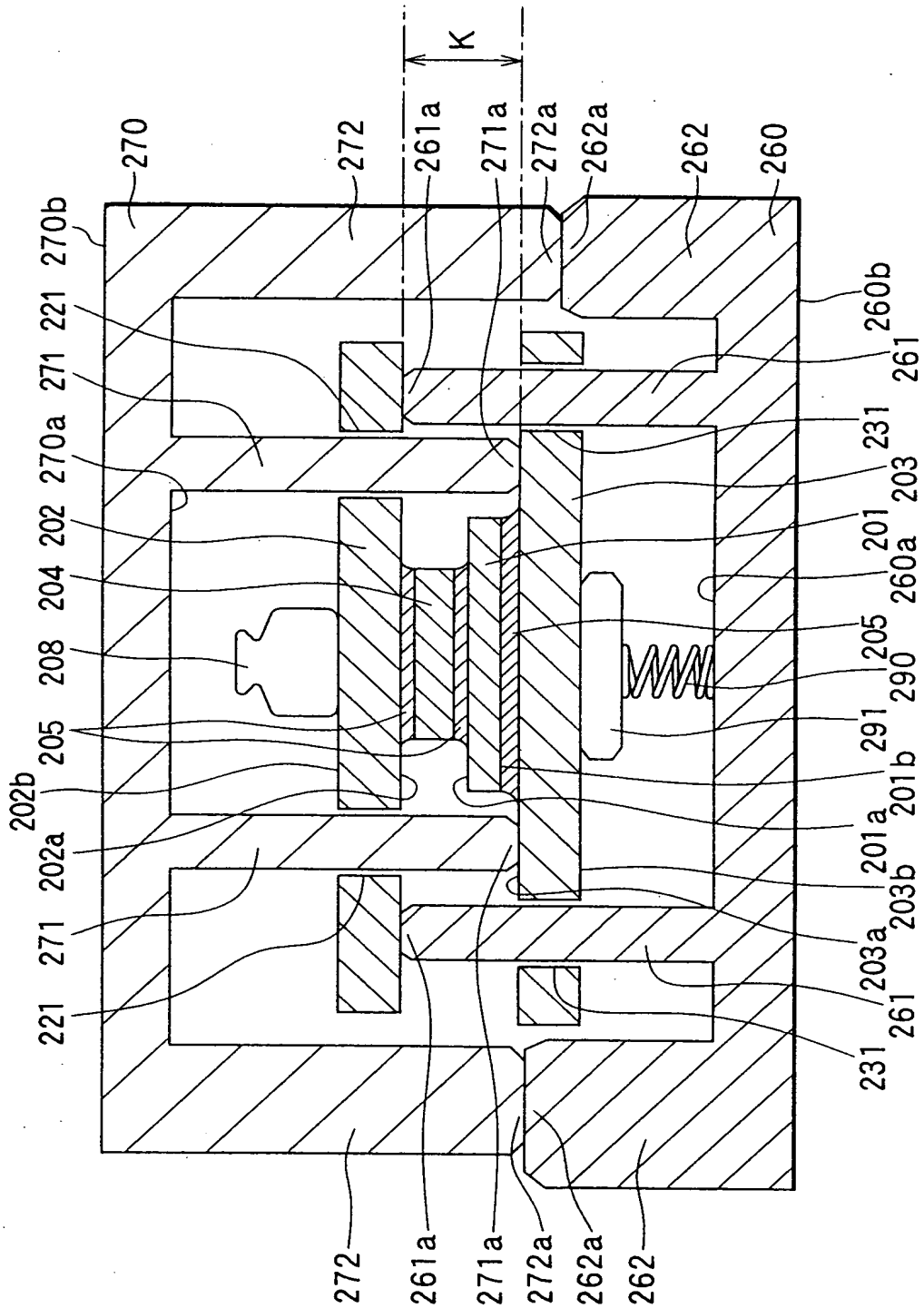
K
270
272
261a
271a
272a
262a
262
260
270b
221
271
270a
202
204
208
205
202b
202a
271
221
260b
261
231
203
201
260a
205
290
291
201b
201a
203b
203a
261
231
272
261a
271a
272a
262a
262

FIG. 18

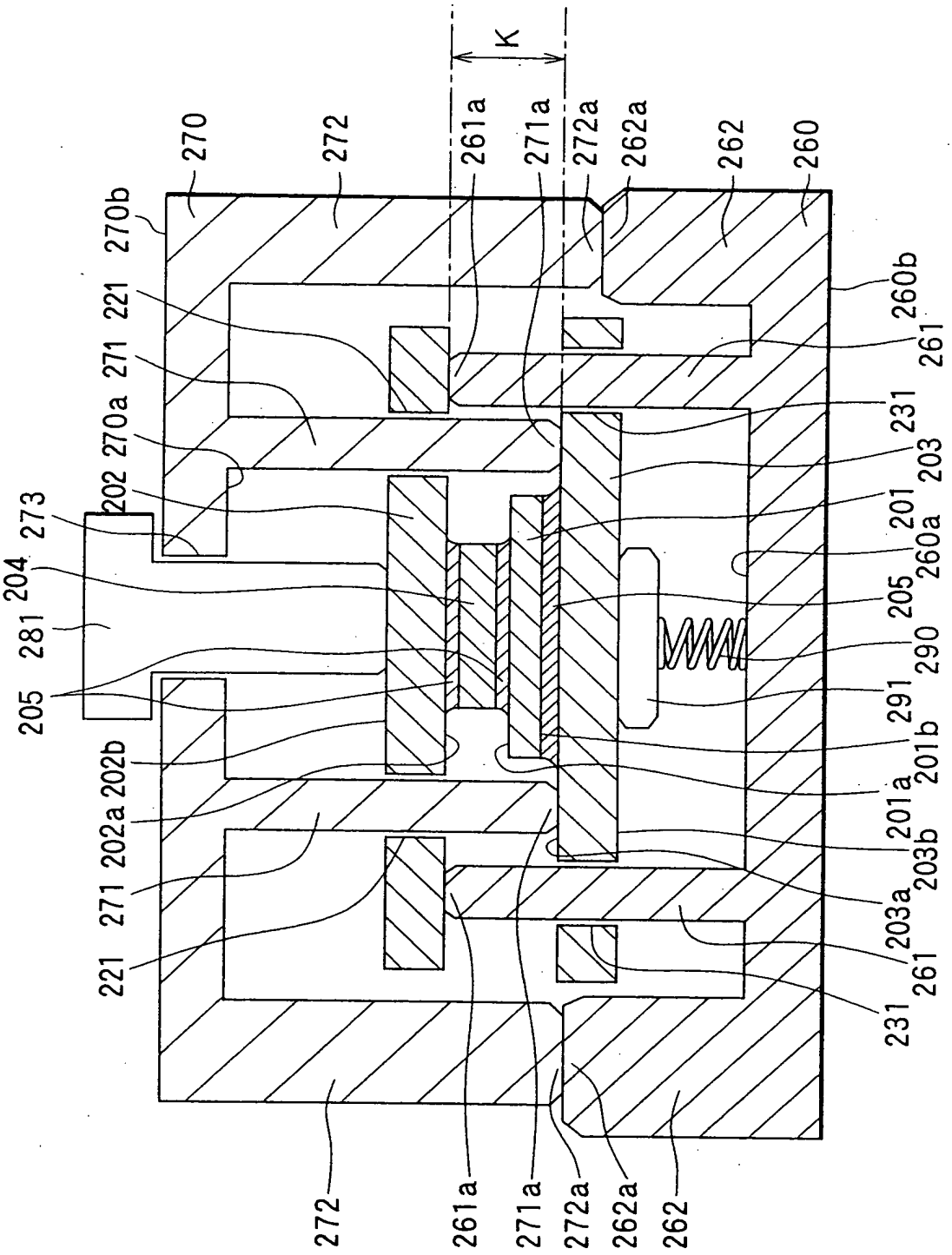
K
270
272
261a
271a
272a
262a
262
260
270b
221
271
270a
202
273
204
281
205
202b
202a
271
221
260b
261
231
203
201
260a
205
290
291
201b
201a
203b
203a
261
231
272
261a
271a
272a
262a
262

FIG. 19

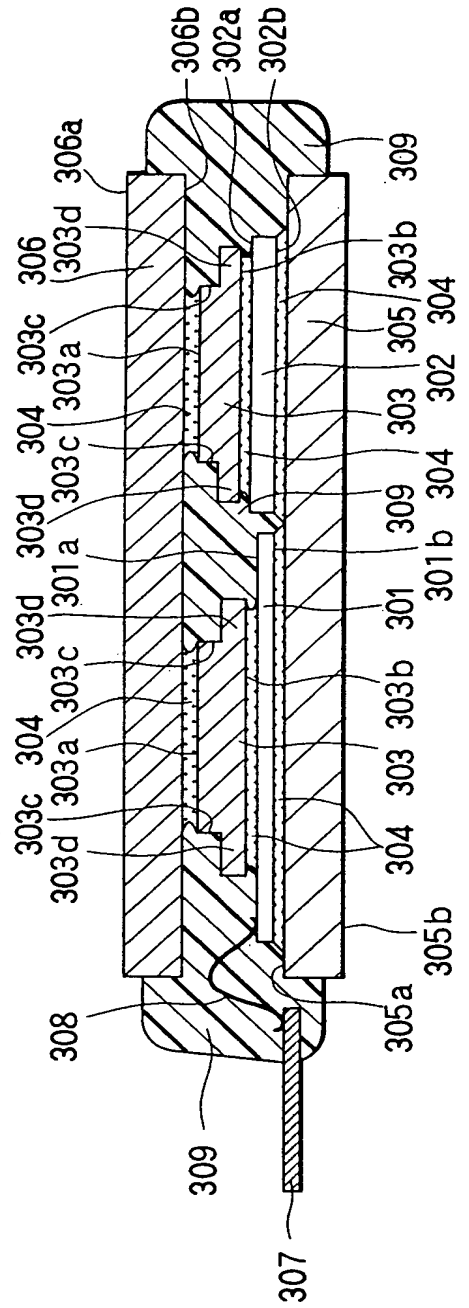
306b
302a
302b
306a
309
306
303d
303b
303c
305
304
303a
302
304
303
303c
303d
309
304
301a
301b
303d
301
303c
303b
304
303a
303
303c
303d
304
305b
305a
308
309
307

FIG. 20A

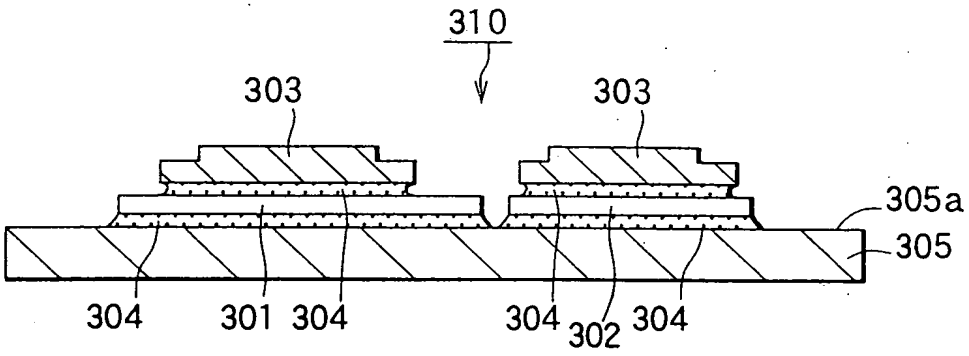

FIG. 20B

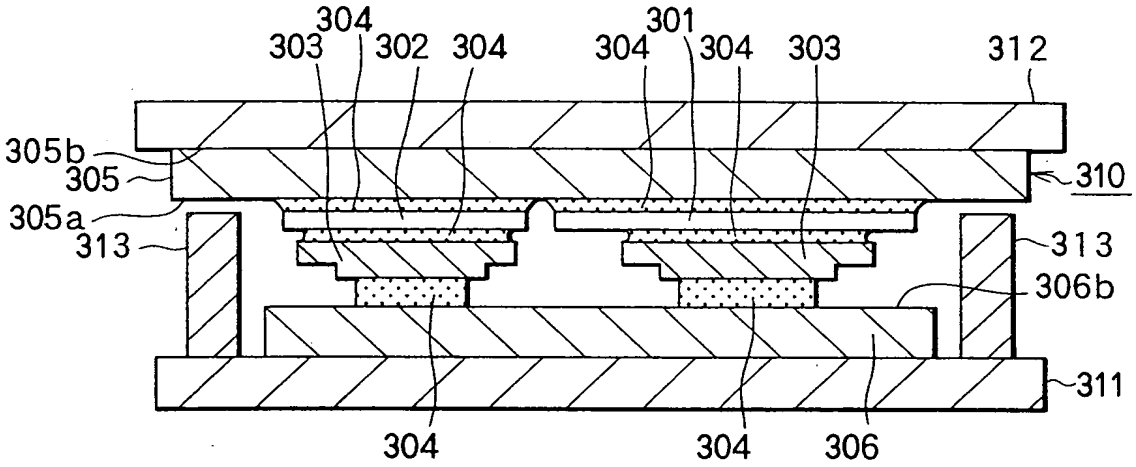

FIG. 20C

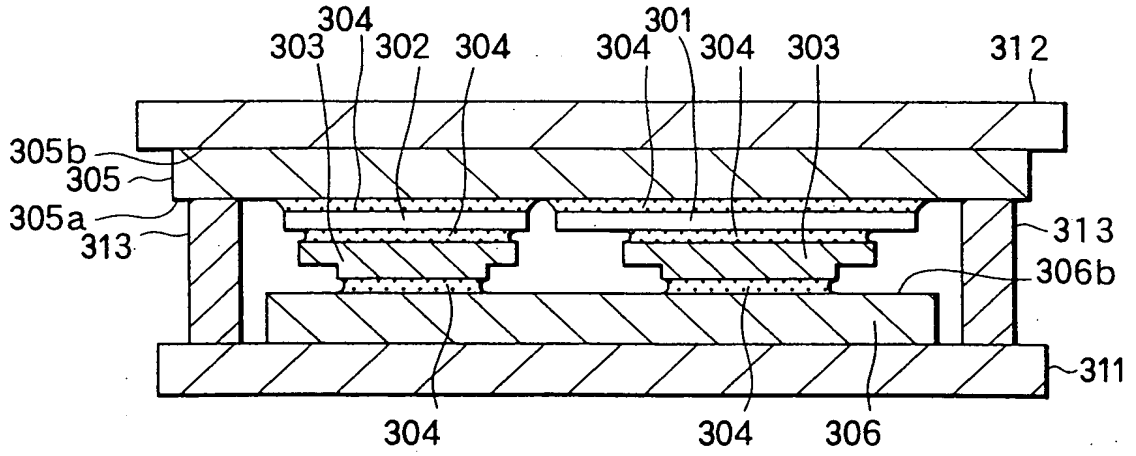

FIG. 21

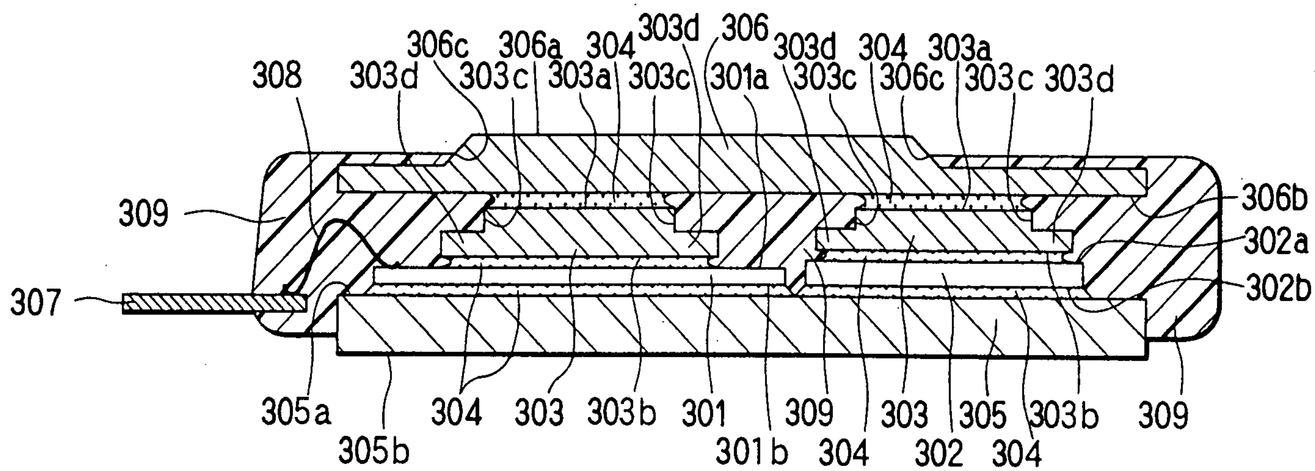
308
303d
306c
303c
306a
303a
304
303c
303d
306
301a
303d
303c
304
306c
303a
303c
303d
309
306b
302a
302b
307
305a
305b
304
303
303b
301
301b
309
304
303
302
305
304
303b
309

FIG. 22

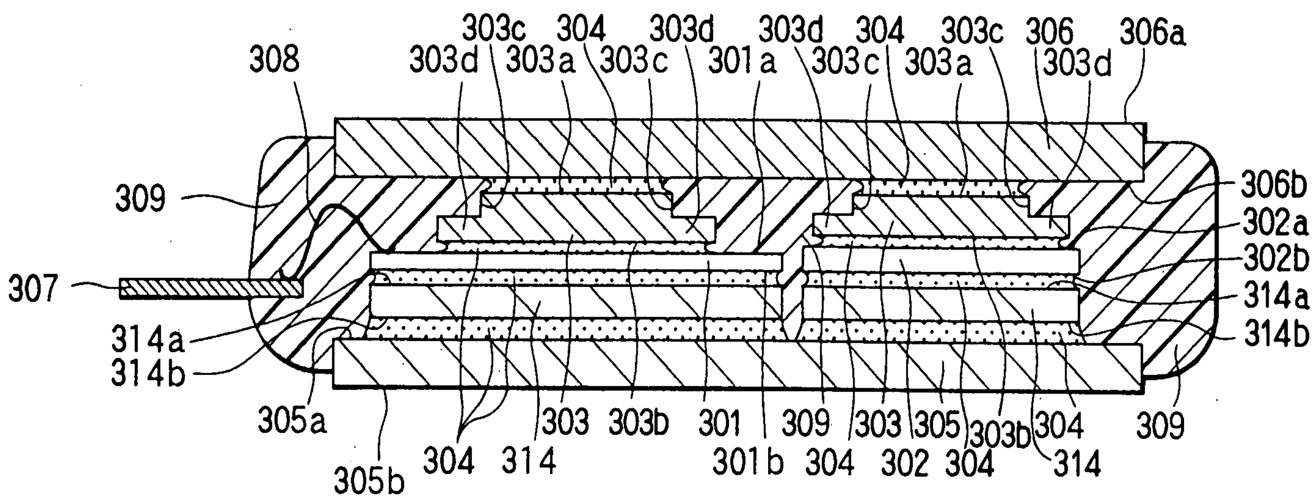
308
303d
303c
303a
304
303c
303d
301a
303d
303c
304
303a
303c
306
303d
306a
309
306b
302a
302b
314a
314b
307
314a
314b
305a
305b
304
314
303
303b
301
301b
309
304
303
302
305
304
303b
304
314
309

FIG. 23

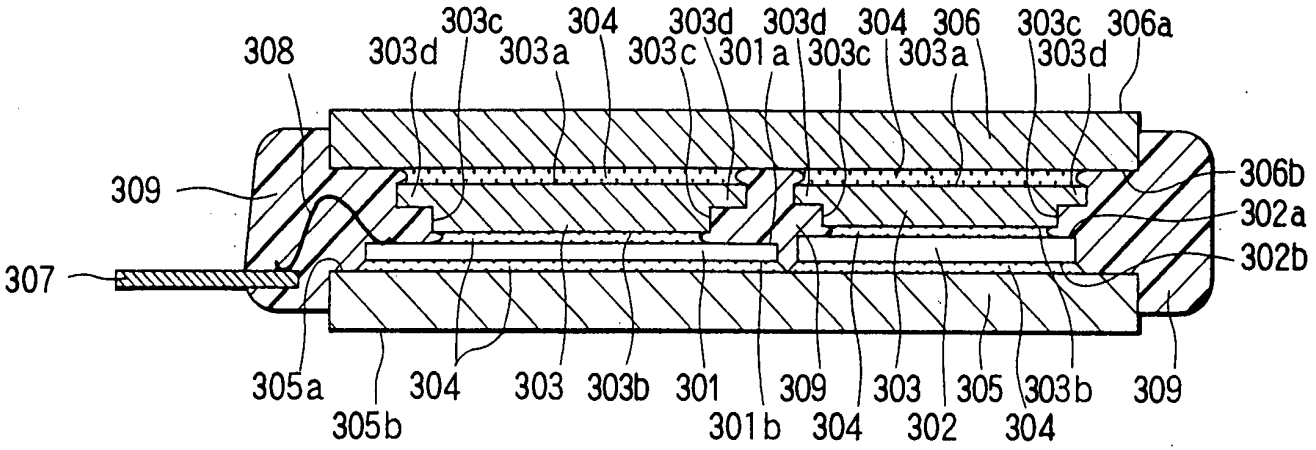
308
303d
303c
303a
304
303c
303d
301a
303d
303c
304
303a
306
303c
303d
306a
309
306b
302a
302b
307
305a
305b
304
303
303b
301
301b
309
304
303
302
305
304
303b
309

FIG. 24

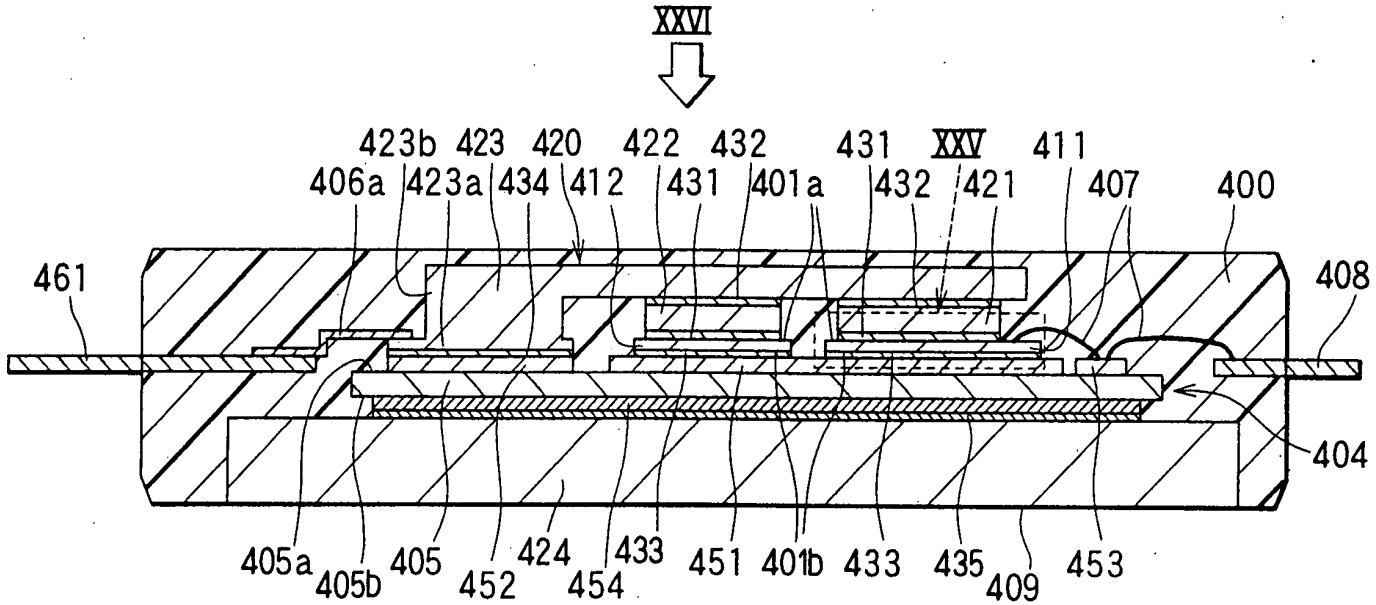
XXVI
423b
423
420
422
432
431
XXV
411
406a
423a
434
412
431
401a
432
421
407
400
461
408
404
405a
405b
405
452
424
454
433
451
401b
433
435
409
453

FIG. 25

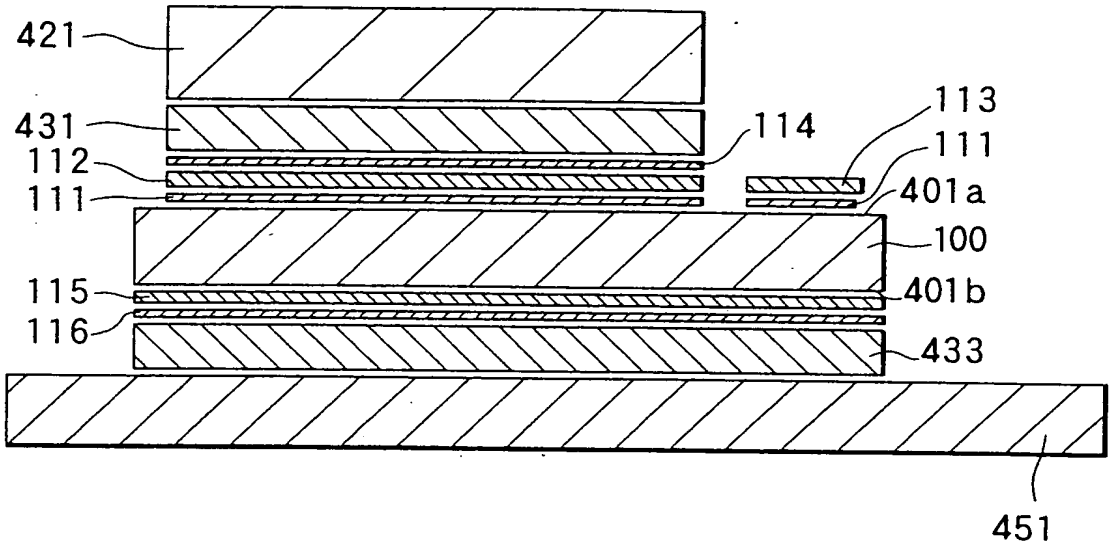
421
431
112
111
114
113
111
401a
100
115
116
401b
433
451

FIG. 26

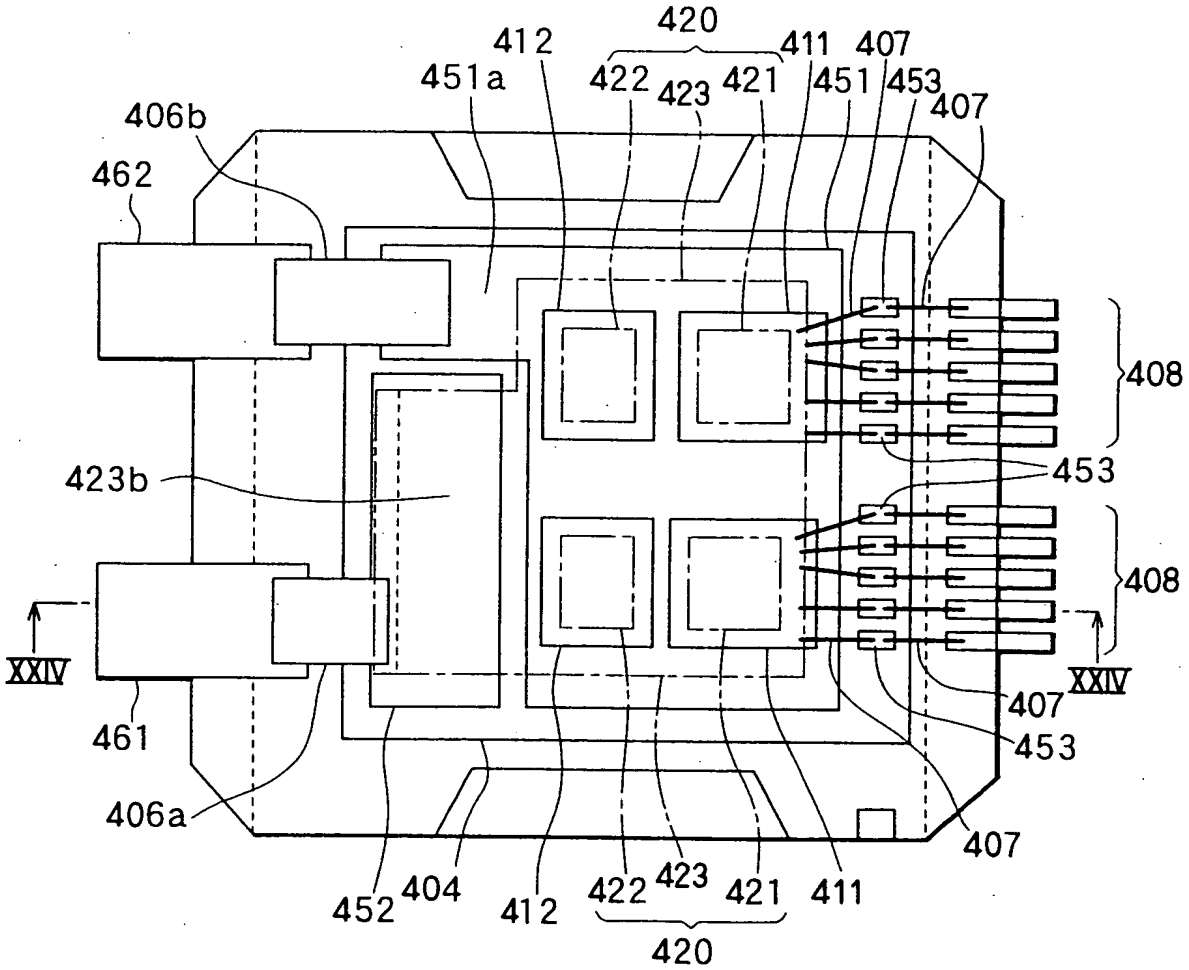
420
412
411
407
451a
422
423
421
451
453
407
406b
462
408
423b
453
408
XXIV
XXIV
461
407
453
406a
407
452
404
412
422
423
421
411
420

FIG. 27

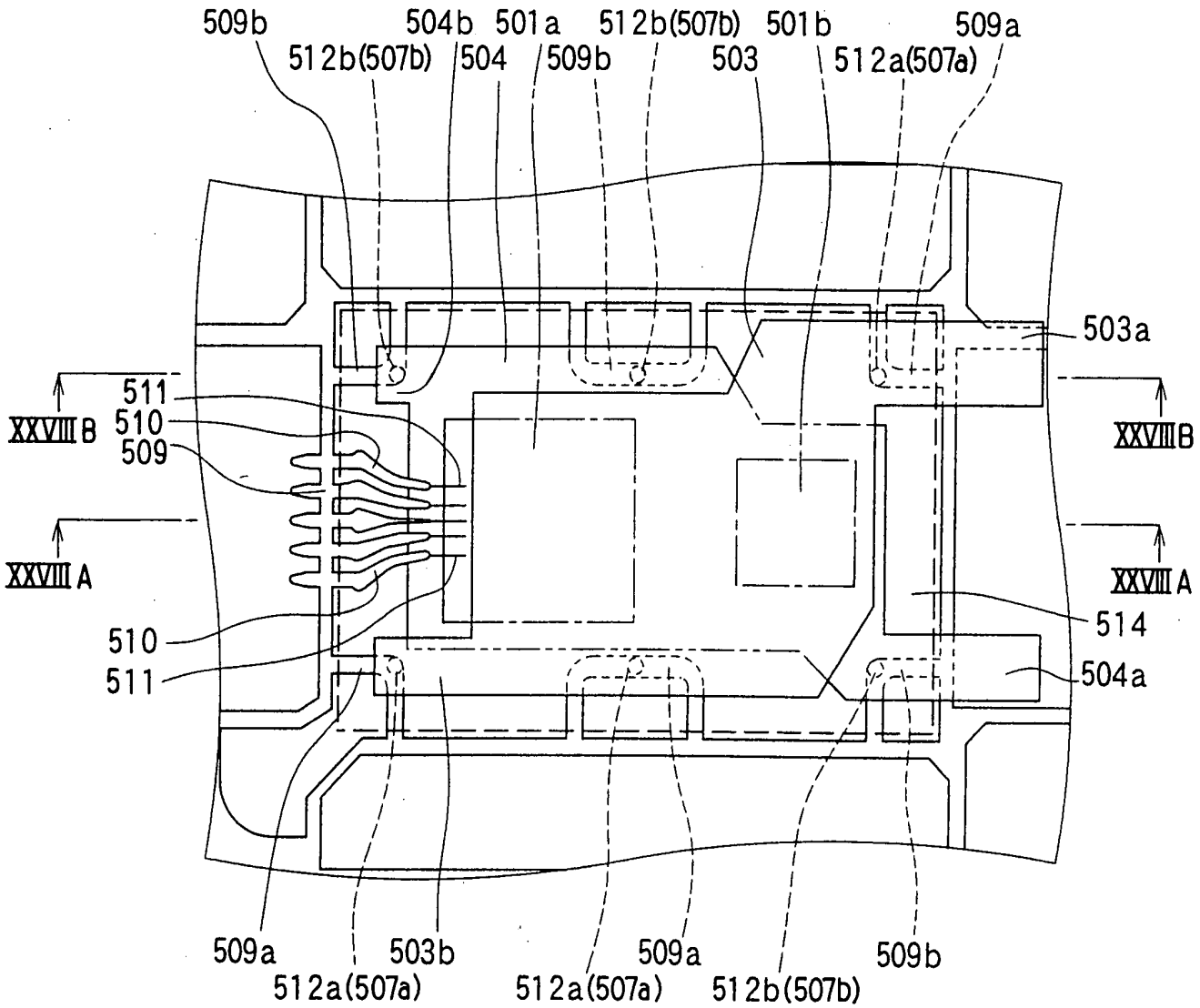
509b
512b(507b)
504b
504
501a
509b
512b(507b)
503
501b
512a(507a)
509a
503a
XXVIII B
511
510
509
XXVIII A
510
511
XXVIII B
XXVIII A
514
504a
509a
512a(507a)
503b
512a(507a)
509a
512b(507b)
509b

FIG. 28A

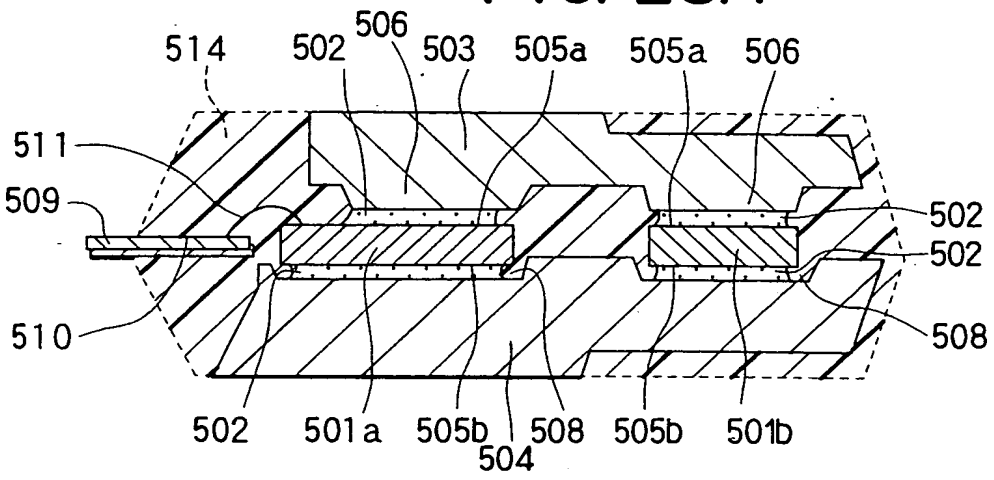

FIG. 28B

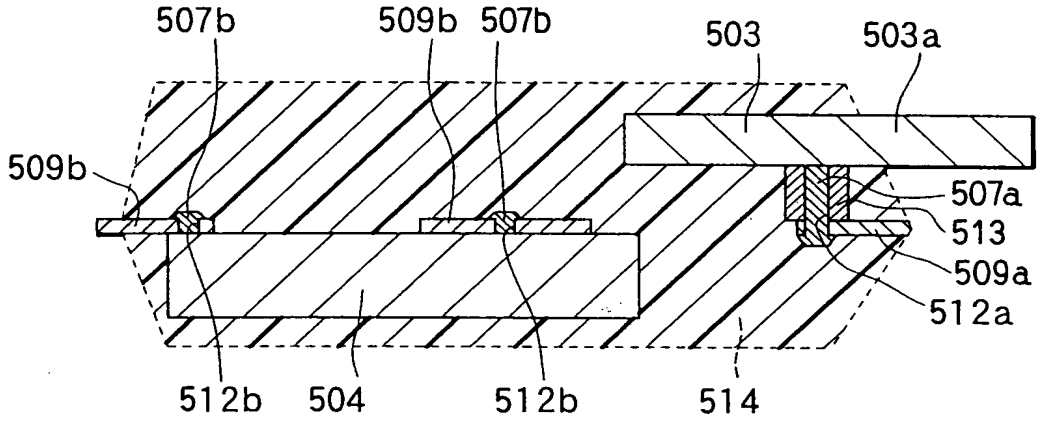

FIG. 29

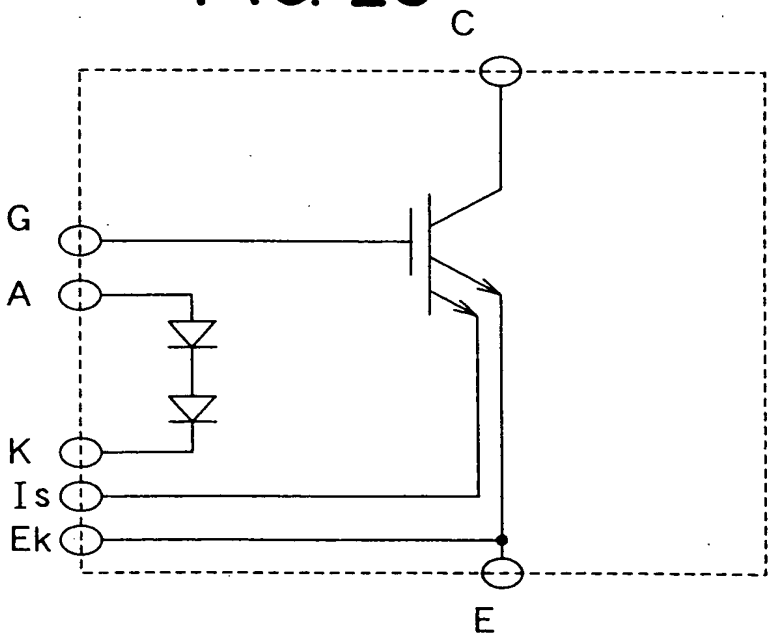

FIG. 30A

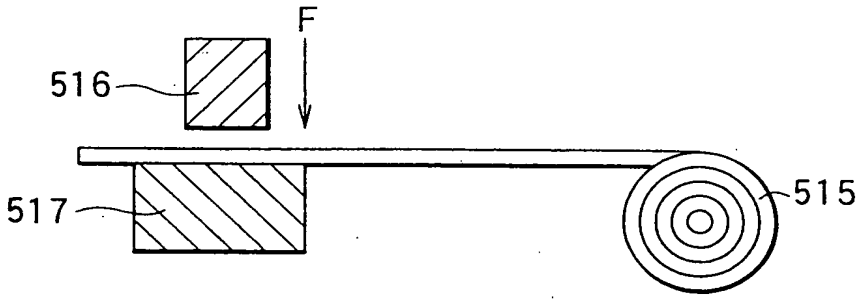

FIG. 30B

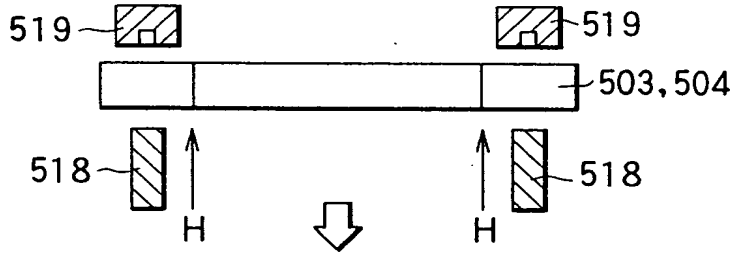

FIG. 30C

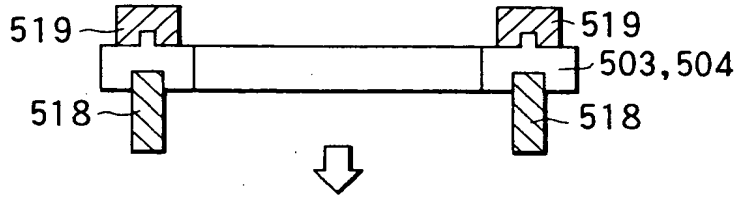

FIG. 30D

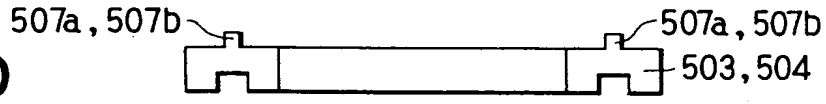

FIG. 31

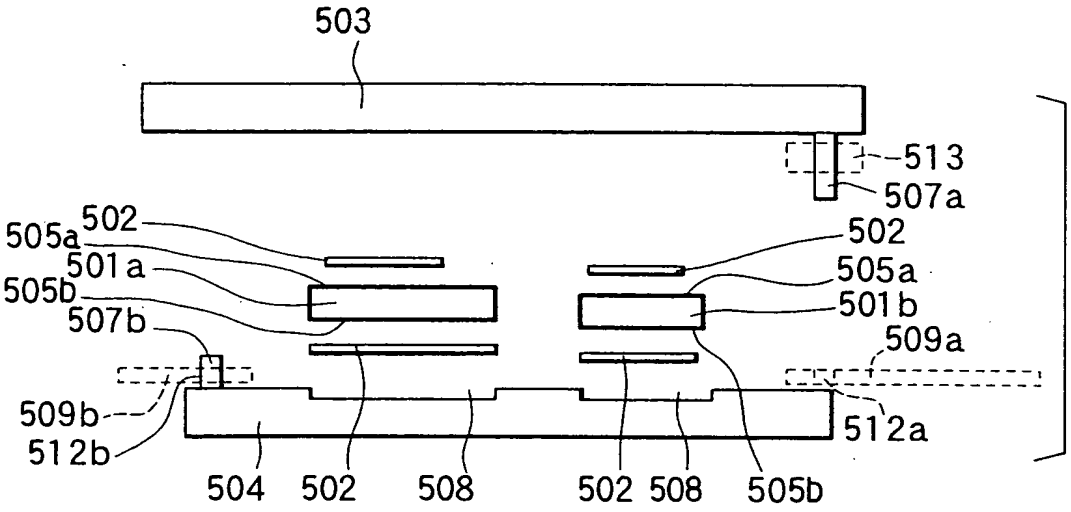

FIG. 32A

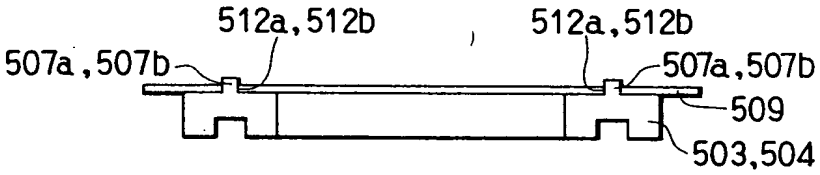

FIG. 32B

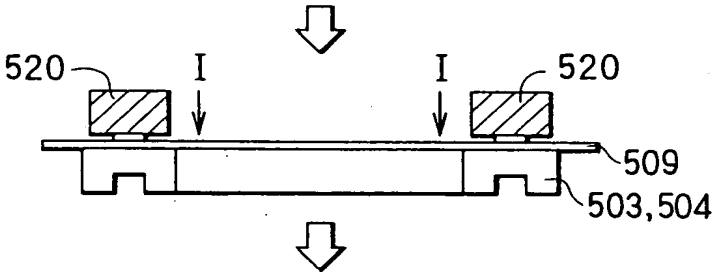

FIG. 32C

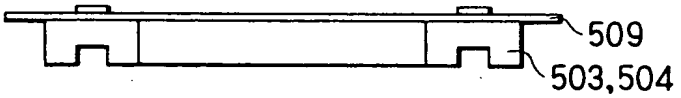

FIG. 33

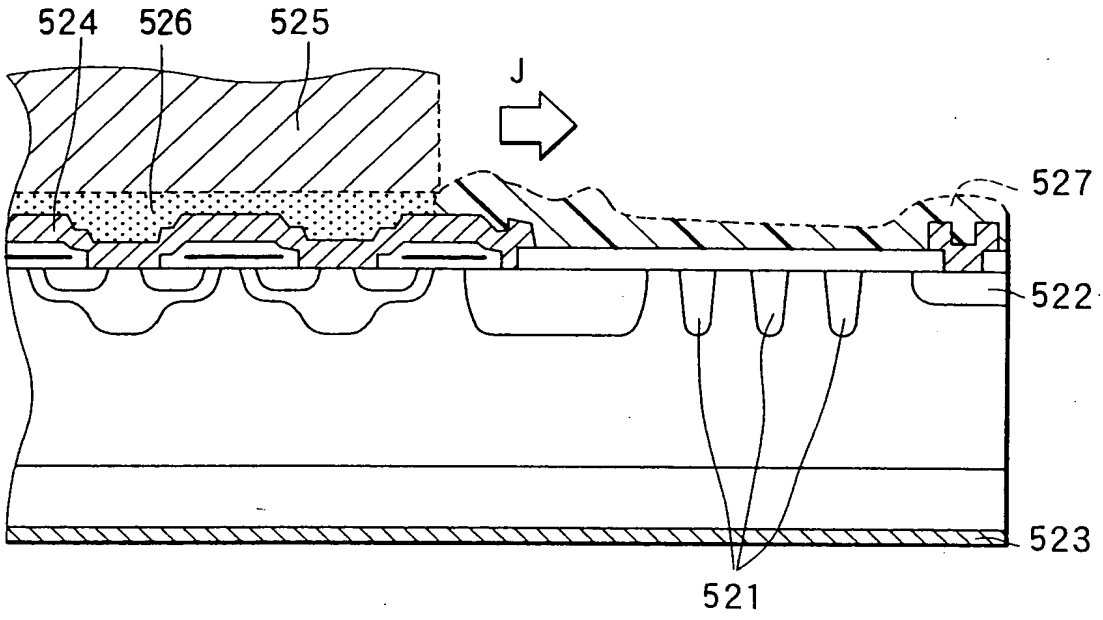
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FIG. 34

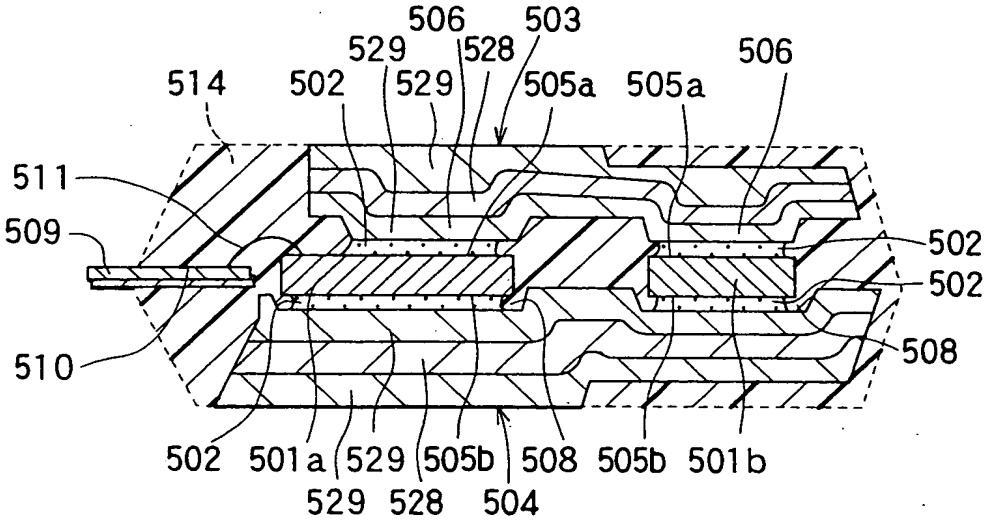
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FIG. 35A

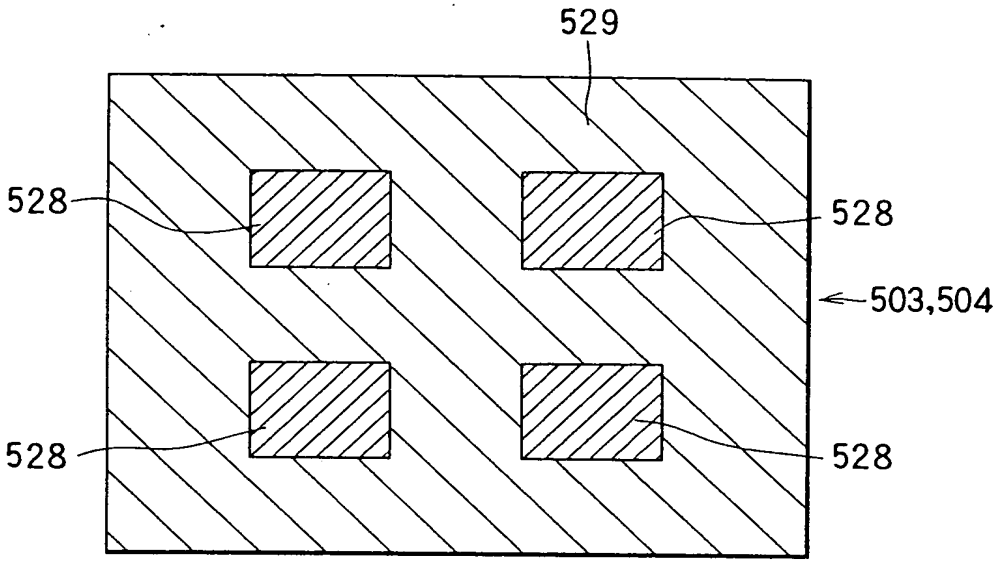

FIG. 35B

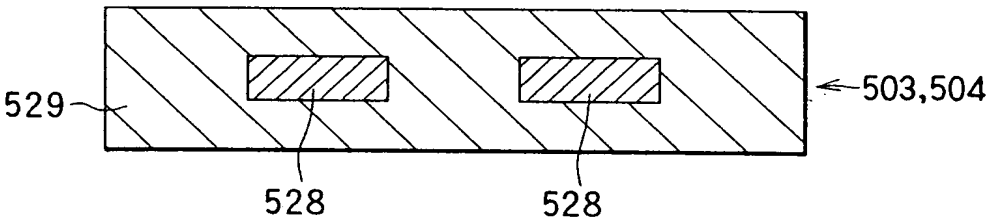

FIG. 36